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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. First Inventor		678-1330 (P11715)		
		Youn-Sun KIM, et al.	0	
Title	Apparatus And	Method For Estimating A Chanr	ieP.	

APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.    ADDRESS TO:   Mail Stop Patent Application Commissioner for Patents, P. O. Box 1450 Alexandria, VA 22313-1450     Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)     Applicant claims small entity status.   See 37 CFR 1.27.   Specification [Total Pages   30 ]     - Descriptive title of the invention   - Cross Reference to Related Applications   - Statement Regarding Fed sponsored R & D     - Reference to sequence listing, a table, or a computer program listing appendix   - Background of the Invention   Brief Description of the Drawings (if filed)   - Detailed Description   - Claim(s)   - Abstract of the Disclosure   ADDRESS TO:   Mail Stop Patent Application   Commissioner for Patents, P. O. Box 1450   Alexandria, VA 22313-1450     CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)   8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)   a.									
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)  Applicant claims small entity status. See 37 CFR 1.27.  Specification (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Brief Summary of the Invention - Brief Summary of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  7.									
4.									
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  Signed statement attached deleting inventor(s) (in the sign priority is claimed)  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Ck. \$1,600.00 (filing fee Other: Ck. \$40.00 (recording fee)									
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation  Divisional  Continuation-in-part (CIP)  Of prior application No.:  Prior application information:  Examiner  Group Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS									
Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below									
Name Paul J. Farrell, Esq.									
DILWORTH & BARRESE, LLP									
Address 333 Earle Ovington Blvd.									
City Uniondale State New York Zip Code 11553									
Country U.S.A Telephone (516) 228-8484 Fax (516) 228-85									
Name (Print/Type) Part 7. Farely Registration No. (Attorney/Agent) 33,494									
Signature Date January 6, 2004									

CENTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the excuments referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number El995744213US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: January 6, 2004



PTO/SB/17 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE	<b>TRANSMITTAL</b>	
1	for FY 2003	

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

(\$) 1,640.00TOTAL AMOUNT OF PAYMENT

Complet if Known							
Application Number							
Filing Date	Concurrent herewith						
First Named Inventor	Youn-Sun KIM, et al.						
Examiner Name							
Art Unit							
Attorney Docket No.	678-1330 (P11715)						

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. A	3. ADDITIONAL FEES				
Deposit Account:	<u>Large</u>	Entity	Smal	I Entity	,	
Denosit	Fee Code		Fee Code	Fee (\$)	Fee Description	F D-:-
Account 04-1121	1051	130	2051	65	Surcharge - late filing fee or oath	Fee Paid
Number Deposit During A Division Number	1052	50	2052	25	Surcharge - late provisional filing fee or	
Account Name Dilworth & Barrese LLP					cover sheet	
The Commissioner is authorized to: (check all that apply)	1053	130	1053		Non-English specification	
Charge fee(s) indicated below Credit any overpayments	1	2,520		2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application	1804	, 920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	420	l	210	Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
Code (\$) Code (\$)	1255	2,010	2255	1,005	Extension for reply within fifth month	
1001 770 2001 385 Utility filing fee 770.00	1401	330	l	165	Notice of Appeal	
1002 340 2002 170 Design lilling fee	1402	330		165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	l	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee		1.510		1,510	Petition to institute a public use proceeding	
,	1452	110	2452		Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 770.00	1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1.330	2501	665	Utility issue fee (or reissue)	
Fee from Ext <u>ra Claims below Fee Paid</u>	1502	480	2502	240	Design issue fee	
Total Claims $47$ $-20^{-4} = 27$ $\times 18.00 = 486.00$	1503	640	2503	320	Plant issue fee	
Independent 7 - 3** = 4 x 86 = 344.00	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent 290 = 0	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee Fee Fee Description Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a submission after final rejection	
1 1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 830.00	Other fee (specify)					
SUBTOTAL (2) (\$) 830.00  **or number previously paid, if greater; For Reissues, see above	*Redu	uced by	Basic	Filing F	ee Paid SUBTOTAL (3) (\$) 40.0	00

SUBMITTED BY (Complete (if applicable) Registration No. 33,494 Name (Print/Type) Telephone (516) 228-8484 Date January 6, 2004 Signature

CERTIFICATION UNDER 37 C.F.R. §1.10

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Dated: January 6, 2004